

CENTRAL VALLEY FLOOD MANAGEMENT PLANNING PROGRAM



Errata to the Public Draft

2012 Central Valley Flood Protection Plan

Volume II – Attachment 7

June 2012

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Errata to the Public Draft 2012 Central Valley Flood Protection Plan Volume II – Attachment 7

1. Attachment 7 – Plan Formulation Report, Universally

Update attachment title throughout as follows:

Attachment 8J: ~~Designs and Costs~~ Cost Estimates

2. Attachment 7 – Plan Formulation Report, Table of Contents List of Figures, page xi

Figure 8-1. State Sytemwide Investment Approach – Sacramento River Basin Major Capital Improvements ~~under~~ Consideration

Figure 8-2. State Systemwide Investment Approach – San Joaquin River Basin Major Capital Improvements ~~under~~ Consideration

3. Attachment 7 – Plan Formulation Report, Section 2.4, page 2-12, Table 2-1, 2nd row, 2nd column

Change reference date in table and throughout the attachment as follows:

CVFPP Program Environmental Impact Report	DWR, anticipated 2012a
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4. Attachment 7 – Plan Formulation Report, Section 2.4, page 2-12, Table 2-1, 8th row, 2nd column

Change reference date in table and throughout the attachment as follows:

Urban Level Design Criteria	DWR, 2011a (update anticipated 2012b)
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5. Attachment 7 – Plan Formulation Report, Section 2.4, page 2-12, Table 2-1, 9th row

Change reference date in table and throughout the attachment as follows:

Draft Urban Level of Flood Protection Criteria	Development underway DWR, 2012c
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6. Attachment 7 – Plan Formulation Report, Section 2.4, page 2-13, Table 2-2, 12th row

Frazier Creek/Strathmore Creek Feasibility Study	USACE
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7. Attachment 7 – Plan Formulation Report, Section 2.4, page 2-13, Table 2-2, 25th row

White River/Deer Creek Feasibility Study	USACE
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8. Attachment 7 – Plan Formulation Report, Section 3.1, page 3-5, Table 3-1, Conditions, 4th bullet

Revise bullet as follows:

- Design profiles (e.g., 1955 and 1957)

9. Attachment 7 – Plan Formulation Report, Section 7.1.1, page 7-5, Table 7-1, Row 13, Column 2

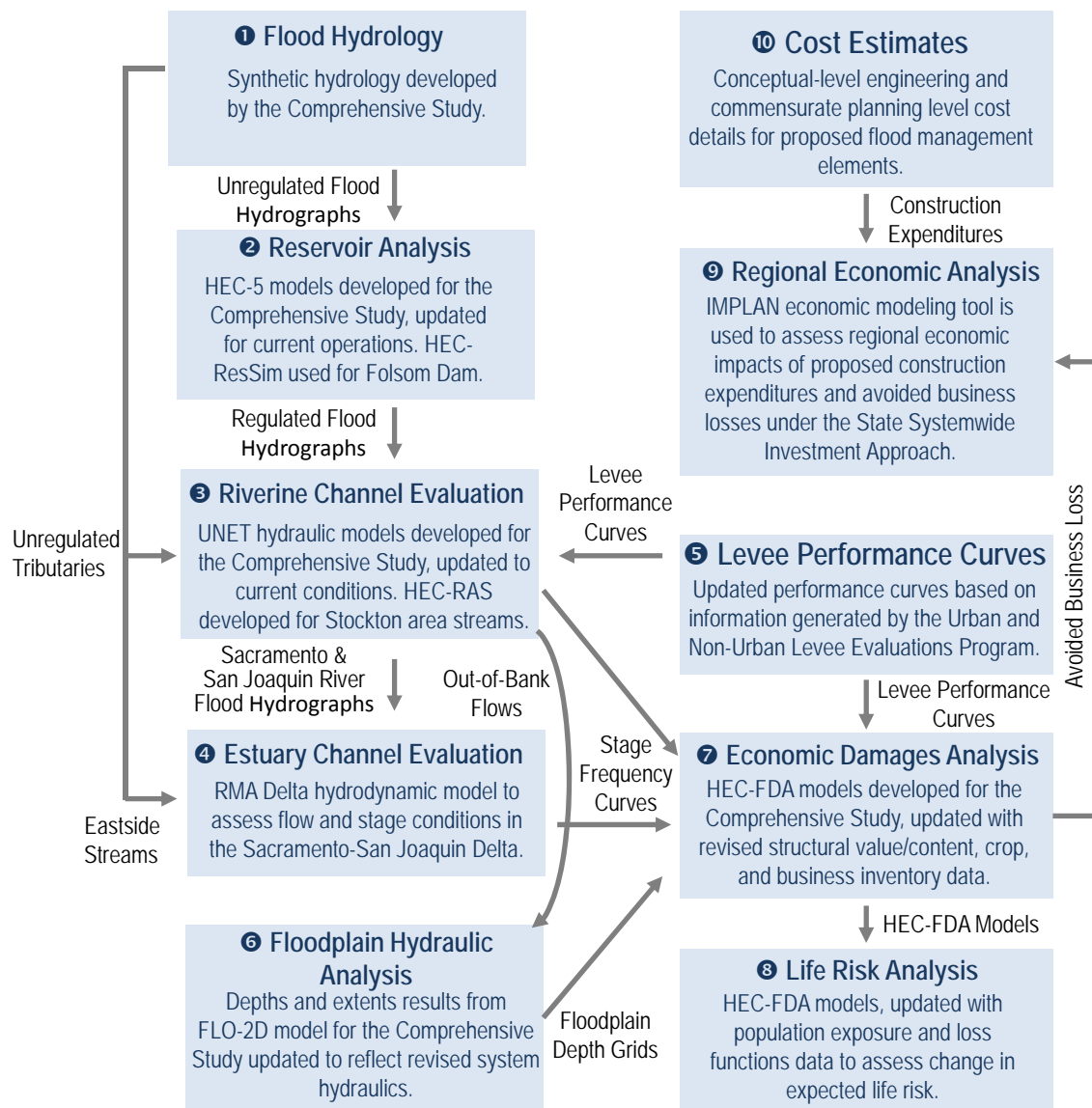
- Tisdale Bypass and Colusa Bypass fish passage ~~Sutter Bypass and fish passage east of Butte Basin~~
- Freemont Weir fish passage improvements
- ~~Yolo Bypass/Willow Slough Weir fish passage improvements~~
- Deer Creek

10. Attachment 7 – Plan Formulation Report, Section 7.1.1, page 7-5, Table 7-1, Note 3

3. Includes all small communities within the SPFC ~~Planning Area~~.

11. Attachment 7 – Plan Formulation Report, Section 7.1.3, Figure 7-1, page 7-8

Replace Figure 7-1 “Technical Analyses and Tools Supporting 2012 CVFPP Development” with the following for color consistency:



Legend:

Comprehensive Study	<i>Sacramento and San Joaquin River Basins Study Comprehensive Study (USACE, 2002)</i>
HEC	USACE Hydrologic Engineering Center
HEC-FDA	HEC Flood Damage Analysis model
FLO-2D	Fullerton, Lenzotti, and O'Brien – Two Dimensional model
HEC-RAS	HEC River Analysis System model
HEC-ResSim	HEC Reservoir Operations Simulation model
HEC-5	HEC Reservoir Operations Simulation model (predecessor to HEC-ResSim)
IMPLAN IMPLAN	Impact Analysis for Planning
RMA	RMA Finite Element Model of Sacramento-San Joaquin Delta hydrodynamics
UNET	One-Dimensional Unsteady Network Flow model (predecessor to HEC-RAS)
USACE	U.S. Army Corps of Engineers

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12. Attachment 7 – Plan Formulation Report, Section 7.2, page 7-10, bulleted list

Add a new bullet as follows:

- Feather-Yuba F-CO by the Yuba County Water Agency (YCWA), DWR, the National Oceanic and Atmospheric Administration, and USACE (YCWA, 2008)

13. Attachment 7 – Plan Formulation Report, Section 7.3.1, page 7-11, last sentence of second paragraph

This approach ~~does not~~ includes remediation of non-SPFC urban levees, ~~although~~ as it is recognized that some non-SPFC levees can affect flooding within the SPFC Planning Area.

14. Attachment 7 – Plan Formulation Report, Section 7.3.2, Page 7-18, text box

Remove highlight from text box.

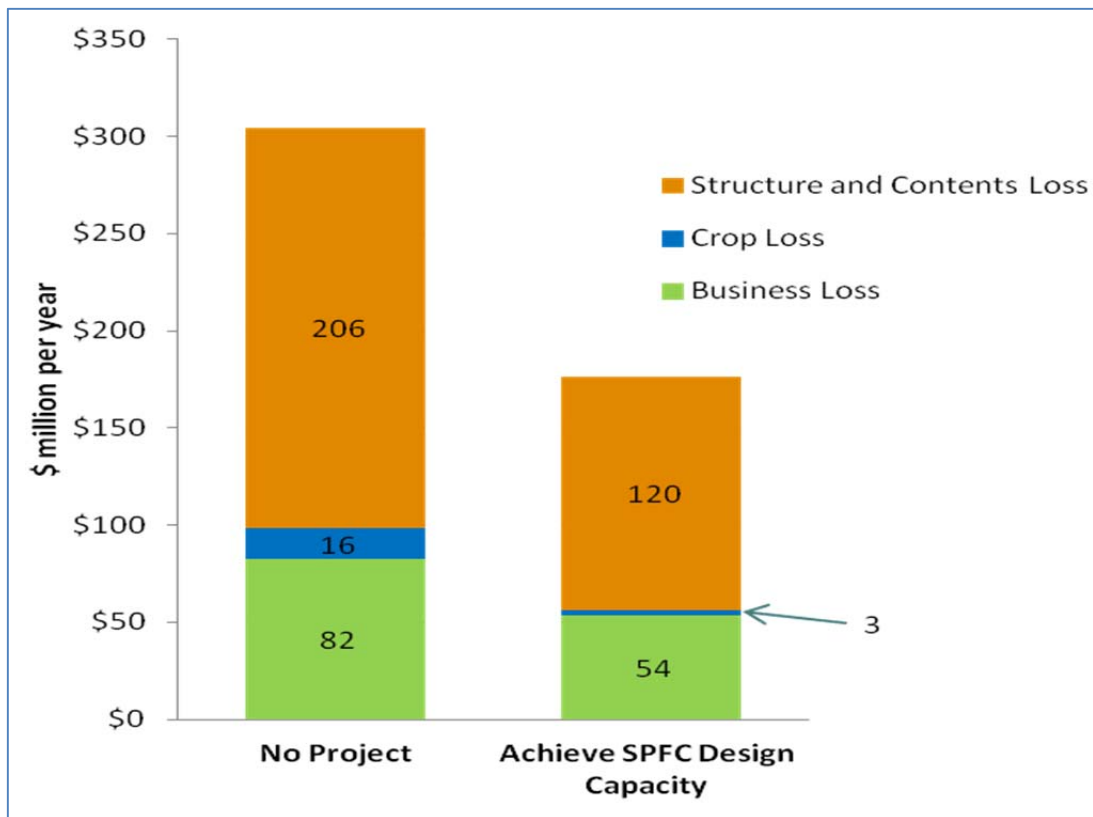
15. Attachment 7 – Plan Formulation Report, Section 7.3.4, page 7-24, 1st paragraph

This approach would provide an approximate ~~47~~ 43 percent reduction in annual flood damages compared to current conditions.

16. Attachment 7 – Plan Formulation Report, Section 7.3.4, page 7-29, figures 7-12 and 7-13

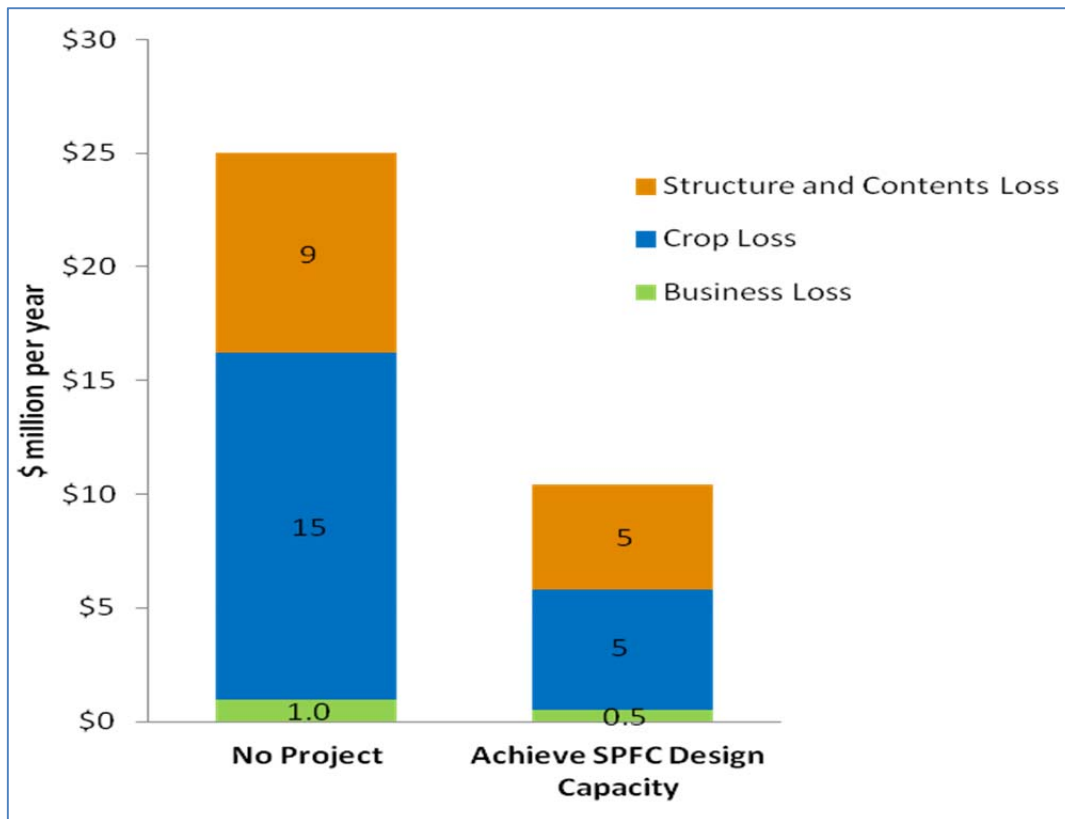
Replace Figure 7-12 “Expected Annual Damages from Flooding: Achieve State Plan of Flood Control Design Flow Capacity Approach Compared to No Project for the Sacramento Basin” with the following:

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Errata to the Public Draft 2012 Central Valley Flood Protection Plan Volume II – Attachment 7

Replace Figure 7-13 “Expected Annual Damages from Flooding: Achieve State Plan of Flood Control Design Flow Capacity Approach Compared to No Project for the San Joaquin Basin” with the following:



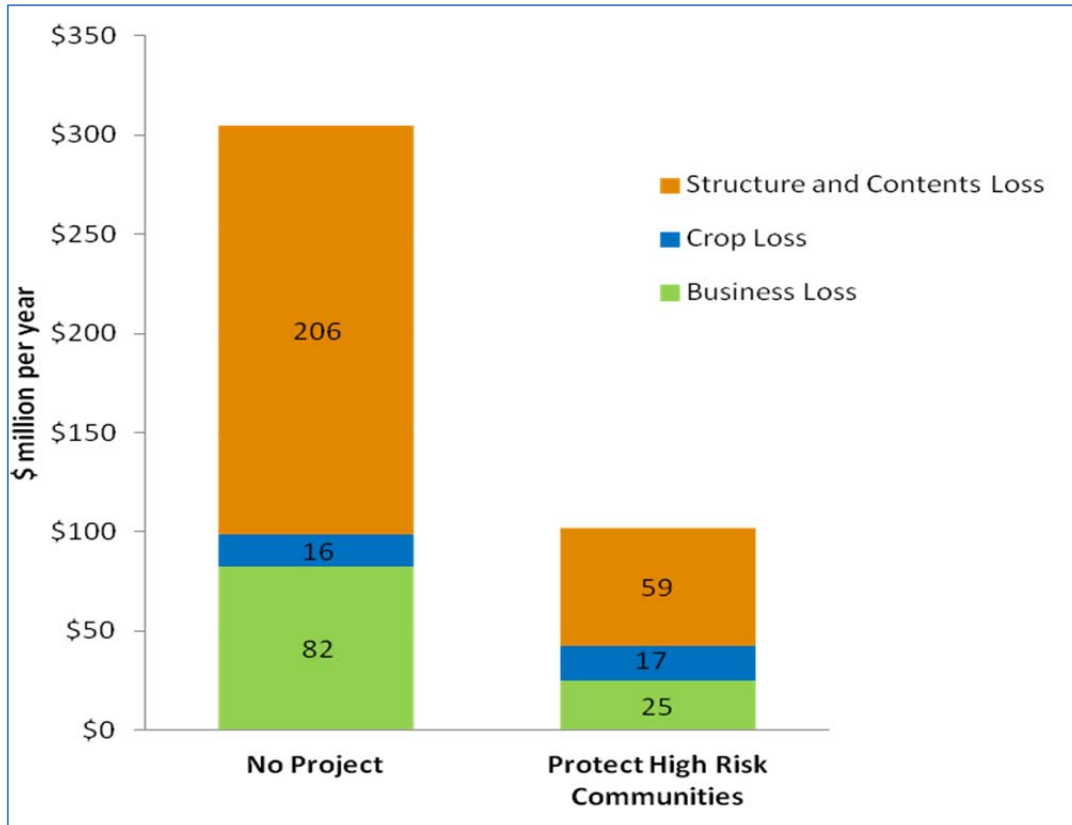
17. Attachment 7 – Plan Formulation Report, Section 7.4.3, page 7-47, 1st paragraph

No changes in reservoir operations rules or how existing weirs and other control structures function **compared to No Project** were considered as part of this approach.

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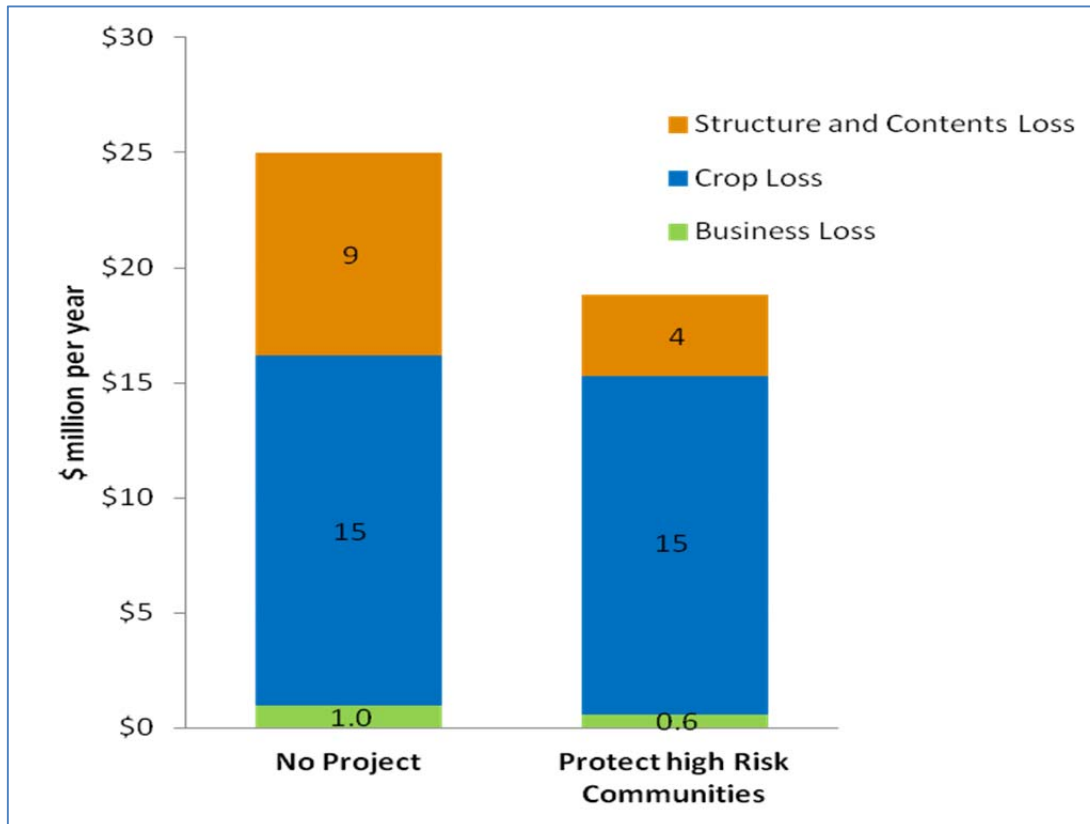
18. Attachment 7 – Plan Formulation Report, Section 7.4.4, page 7-51, figures 7-21 and 7-22

Replace Figure 7-21 “Expected Annual Damages from Flooding: Protect High Risk Communities Approach Compared to No Project for the Sacramento Basin” with the following:



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Replace Figure 7-22 “Expected Annual Damages from Flooding: Protect High Risk Communities Approach Compared to No Project for the San Joaquin Basin” with the following:



19. Attachment 7 – Plan Formulation Report, Section 7.5.3, page 7-60, last sentence of first paragraph

Also, this approach ~~does not~~ includes improvements to non-SPFC levees that protect some urban areas.

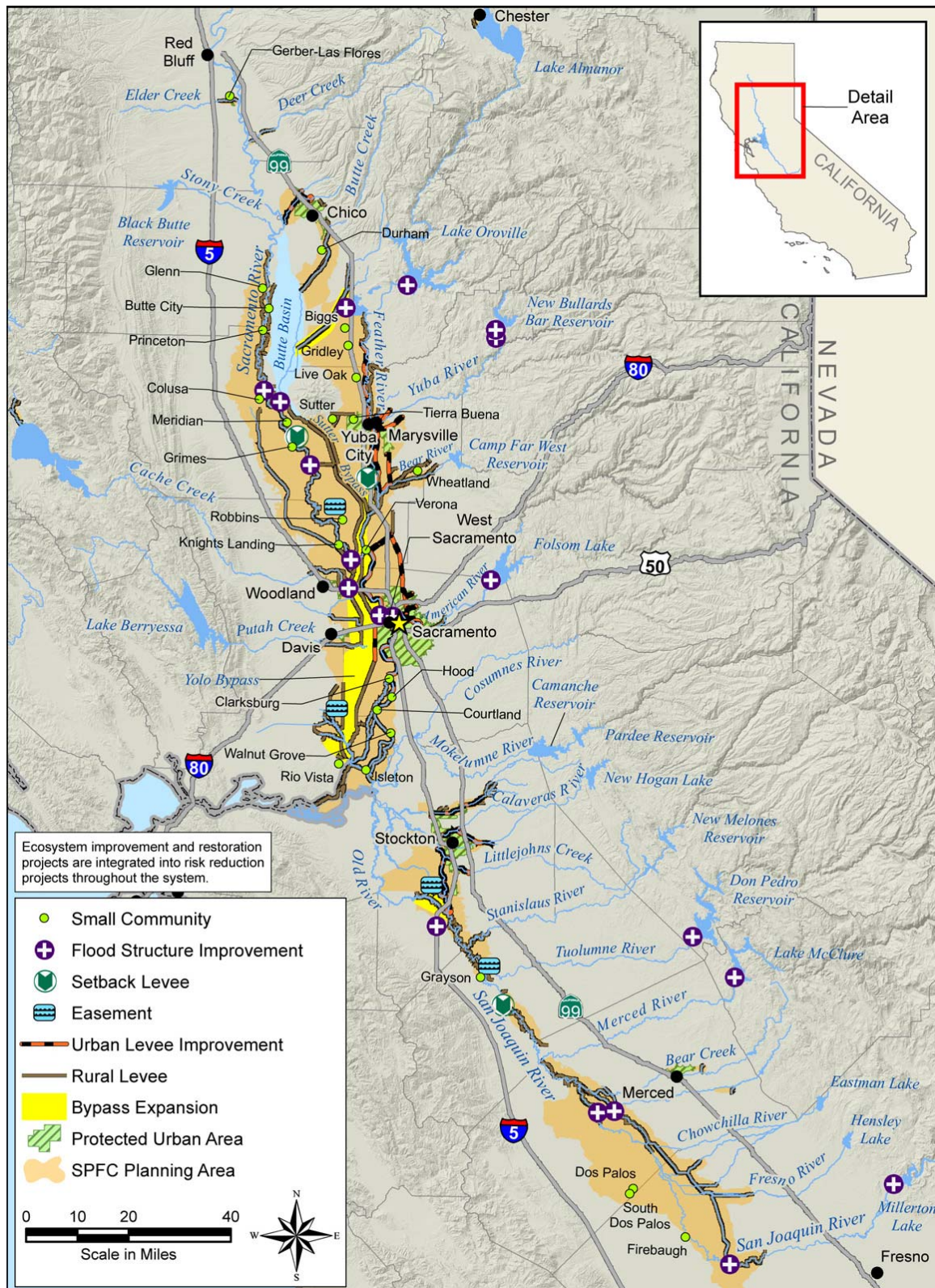
20. Attachment 7 – Plan Formulation Report, Section 7.5.3, page 7-61, third major bullet

This approach includes floodway widening along smaller sections of ~~the~~ some rivers by setting back SPFC levees as follows:

21. Attachment 7 – Plan Formulation Report, Section 7.5.3, Page 7-62

Figure 7-25 “Improvements Included in Enhance Flood System Capacity Approach” is replaced by the following:

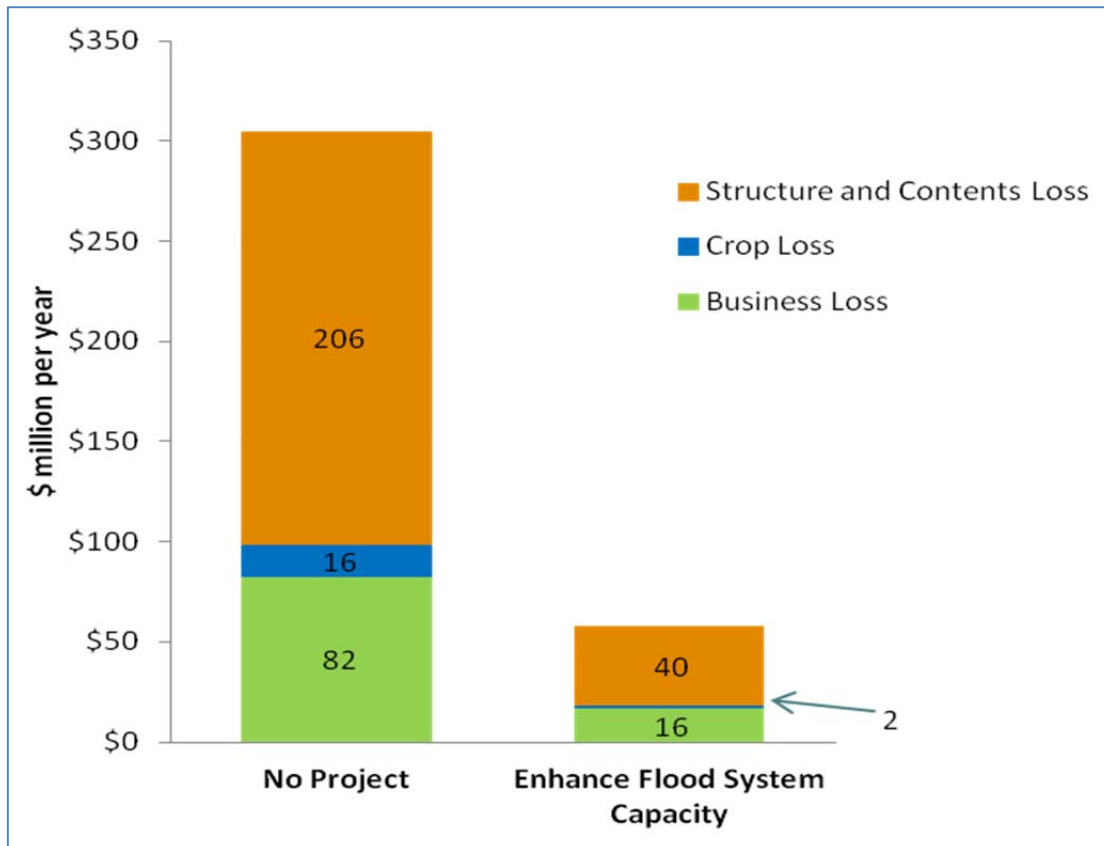
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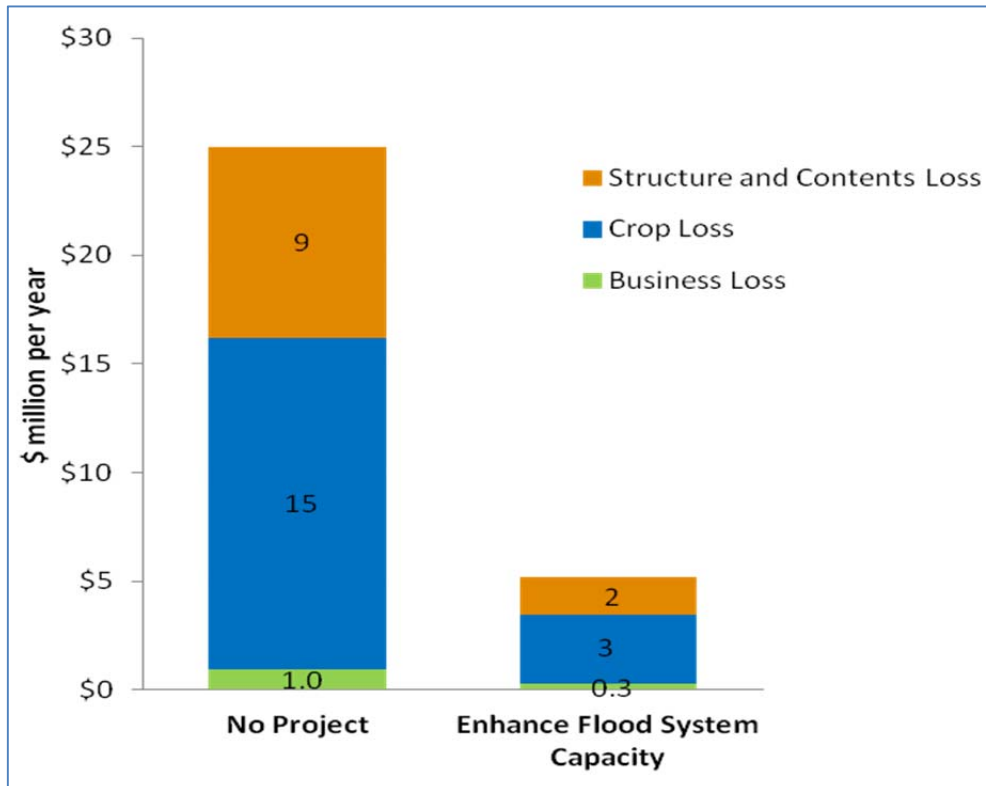
22. Attachment 7 – Plan Formulation Report, Section 7.5.4, page 7-67, figures 7-28 and 7-29

Replace Figure 7-28 “Expected Annual Damages from Flooding: Enhance Flood System Capacity Approach Compared to No Project for the Sacramento Basin” with the following:



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Replace Figure 7-29 “Expected Annual Damages from Flooding: Enhance Flood System Capacity Approach Compared to No Project for the San Joaquin Basin” with the following:



23. Attachment 7 – Plan Formulation Report, Section 7.6.2, page 7-74, Table 7-17

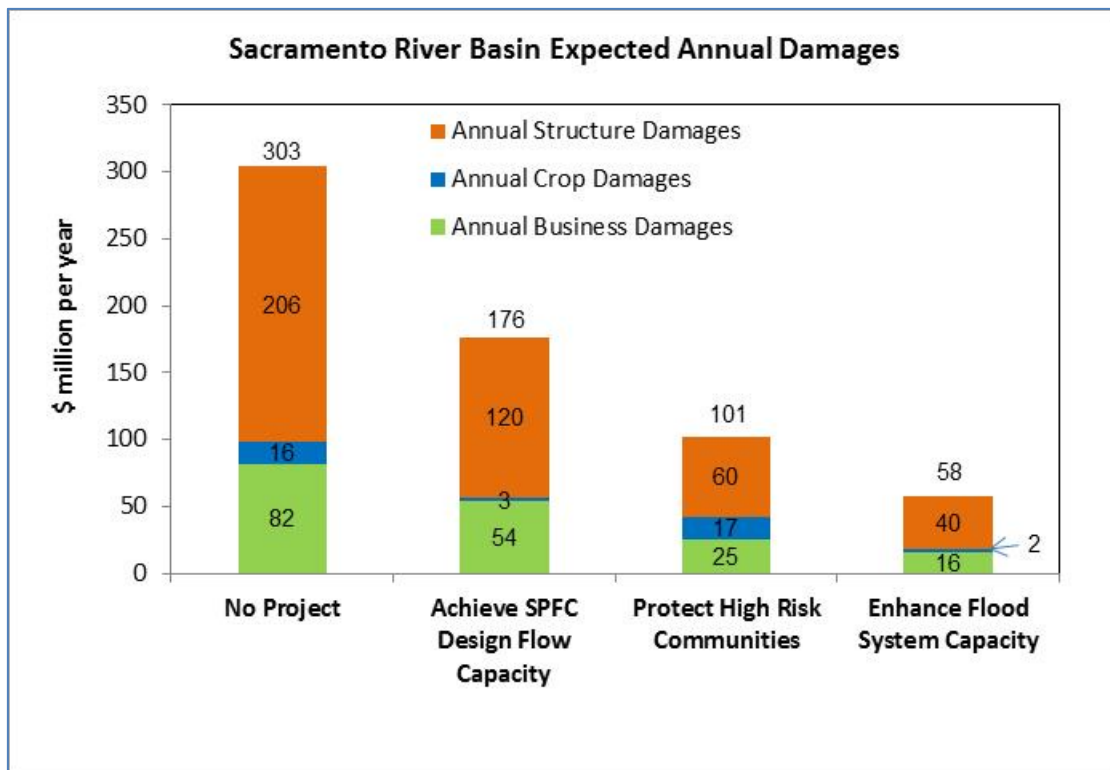
Table 7-17. ~~Percent Reduction in~~ Summary of Life Risk Values: Sacramento and San Joaquin River Basins

Study Approaches	Sacramento River Basin (Percent Reduction)	San Joaquin River Basin (Percent Reduction)	Stockton Area (Percent Reduction)	Total (Percent Reduction)
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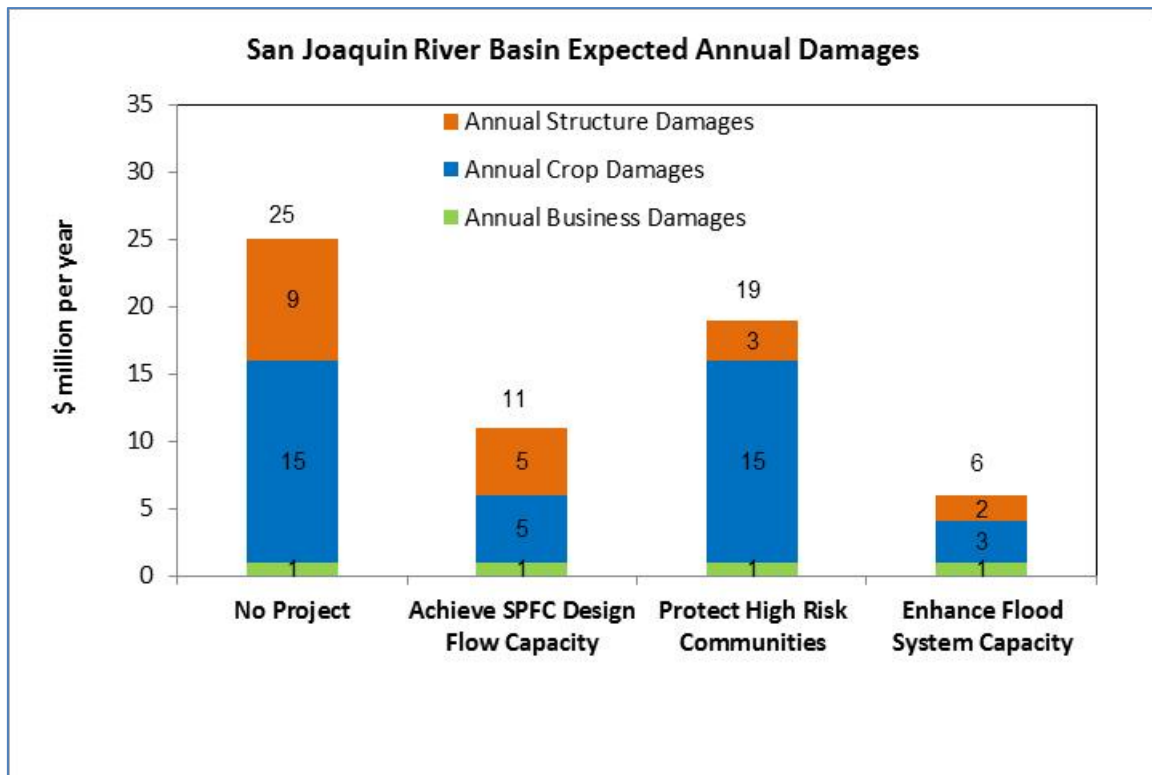
24. Attachment 7 – Plan Formulation Report, Section 7.6.2, pages 7-75 and 7-76, figures 7-32 and 7-33

Replace Figure 7-32 “Summary of Potential Annual Direct Impacts of Flooding in the Sacramento River Basin” with the following:



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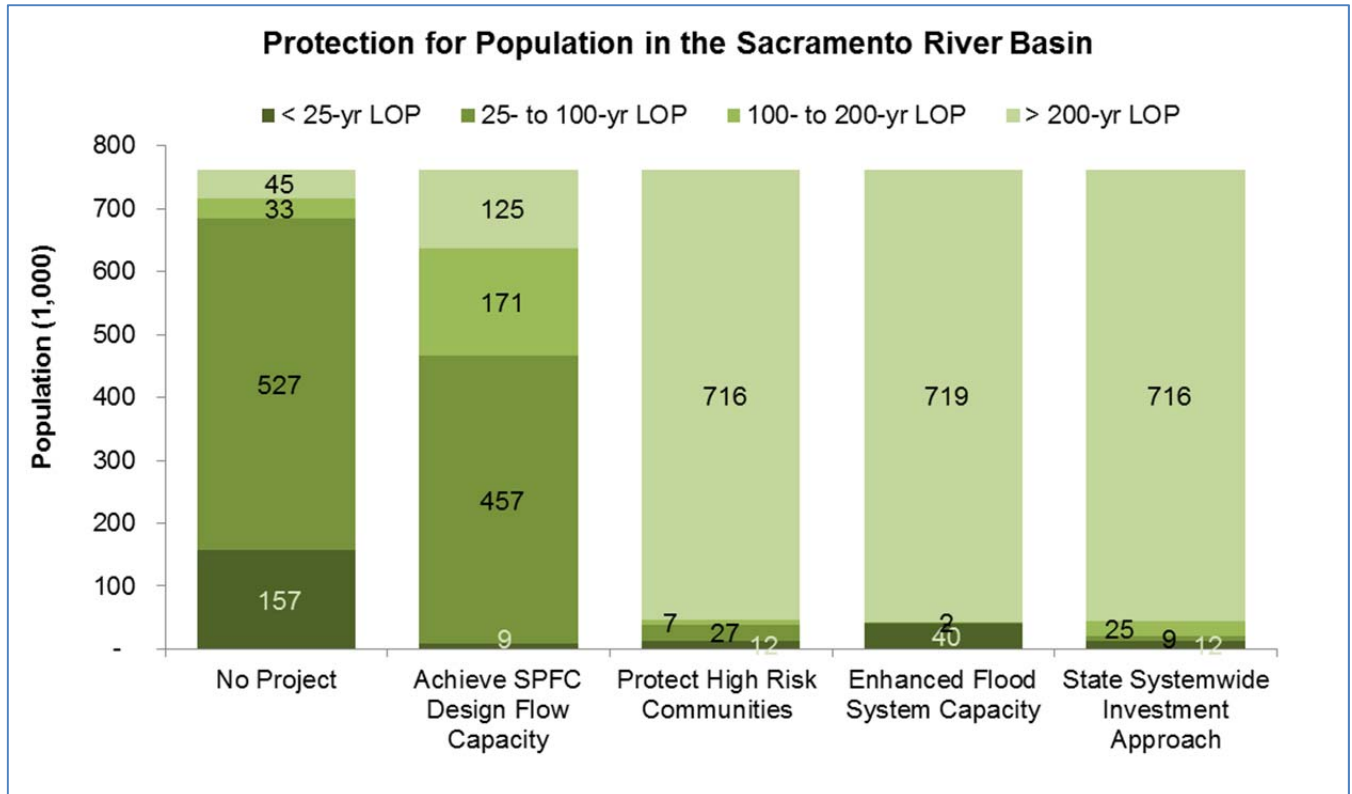
Replace Figure 7-33 “Summary of Potential Annual Direct Impacts of Flooding in the San Joaquin River Basin” with the following:



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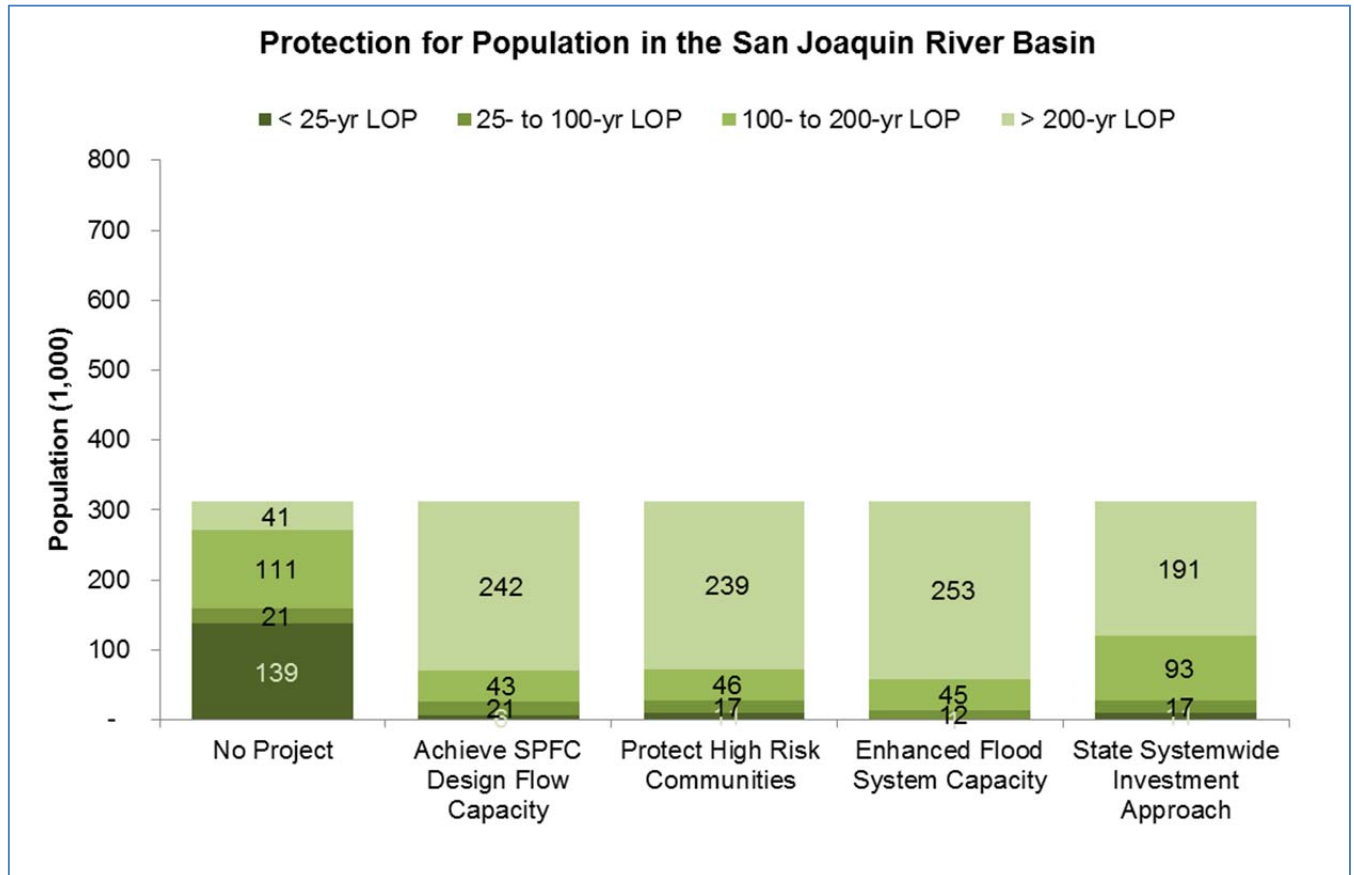
25. Attachment 7 – Plan Formulation Report, Section 7.6.2, Page 7-77, Figure 7-34, and 7-35.

Replace Figure 7-34 “Protection for Population in Sacramento River Basin” with the following:



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Replace Figure 7-35 “Protection for Population in San Joaquin River Basin” with the following:



26. Attachment 7 – Plan Formulation Report, Section 7.6.3, page 7-79, Figure 7-36 note

Note: Location of ~~P~~peak ~~F~~flow and ~~W~~water ~~S~~surface ~~E~~elevation ~~E~~estimates for 100-year ~~S~~storm ~~E~~event at selected monitoring locations in the Sacramento River Basin.

27. Attachment 7 – Plan Formulation Report, Section 7.6.3, page 7-80, Figure 7-37 Note

Note: Location of ~~P~~peak ~~F~~flow and ~~W~~water ~~S~~surface ~~E~~elevation ~~E~~estimates for 100-year ~~S~~storm ~~E~~event at selected monitoring locations in the San Joaquin River Basin.

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28. Attachment 7 – Plan Formulation Report, Section 7.6.5, page 7-82, Table 7-18, Row 5

Column 3, second Bullet

- ~~47~~ 43% reduction in total EAD

Column 5, second bullet

- ~~66~~ 80% reduction in total EAD

29. Attachment 7 – Plan Formulation Report, Section 7.6.7, page 7-86, Figure 7-38

Replace Figure 7-38 “Performance Comparison for Preliminary Approaches” with the following:

PERFORMANCE CATEGORY	ACHIEVE SPFC DESIGN FLOW CAPACITY	PROTECT HIGH RISK COMMUNITIES	ENHANCE FLOOD SYSTEM CAPACITY
Flood Risk Reduction Benefit			
Level of Flood Protection			
Life Safety			
Reduction in Economic Damages			
Regional Economics			
Integration and Sustainability			
Promote Ecosystem Functions			
Promote Multi-Benefit Projects			
Sustainable Land Uses			
Cost	\$\$\$	\$\$	\$\$\$
Capital Costs	\$\$\$	\$	\$\$\$\$
Operations & Maintenance	\$\$	\$\$\$\$	\$

BENEFIT KEY

Low	Moderate-High
Low-Moderate	High
Moderate	

COST KEY

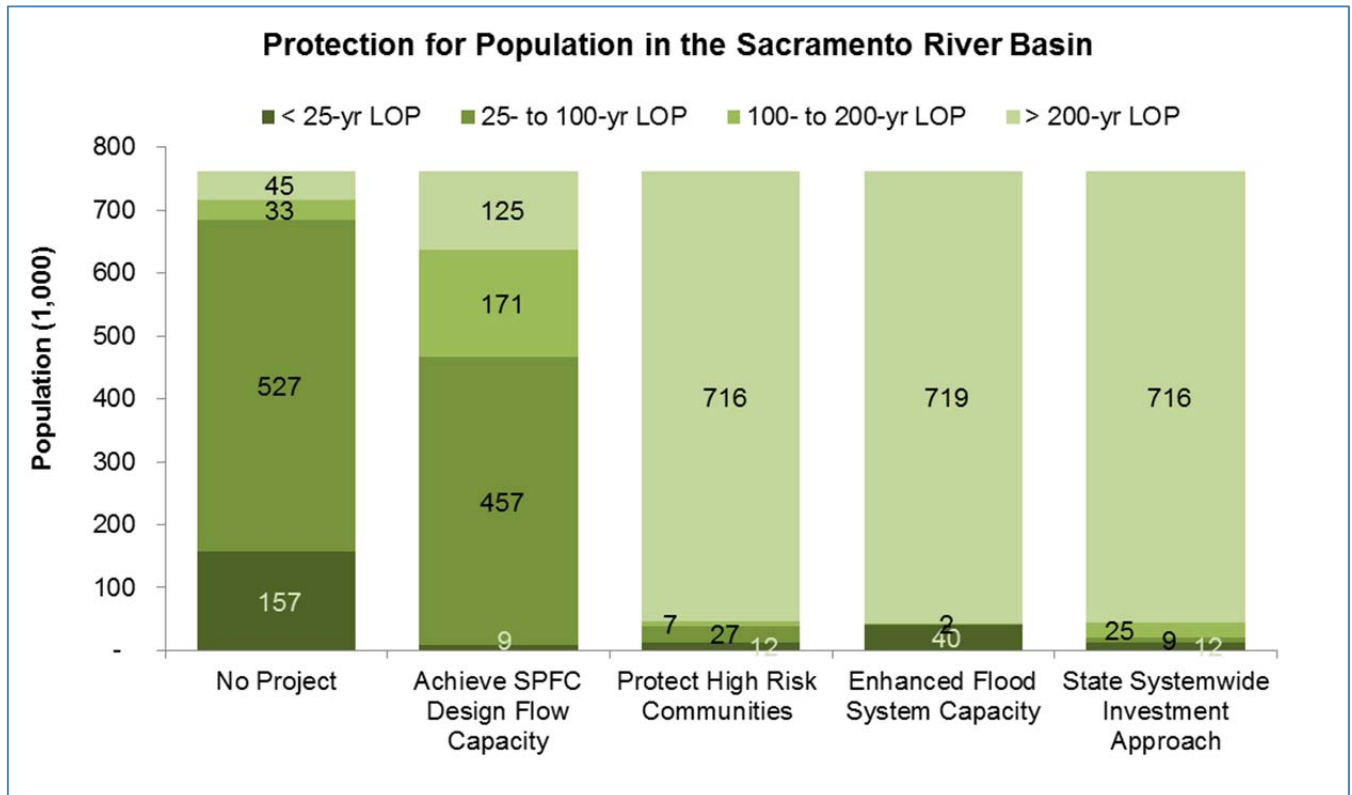
\$ Low-Moderate	\$\$\$ Moderate-High
\$\$ Moderate	\$\$\$\$ High

Key: SPFC = State Plan of Flood Control

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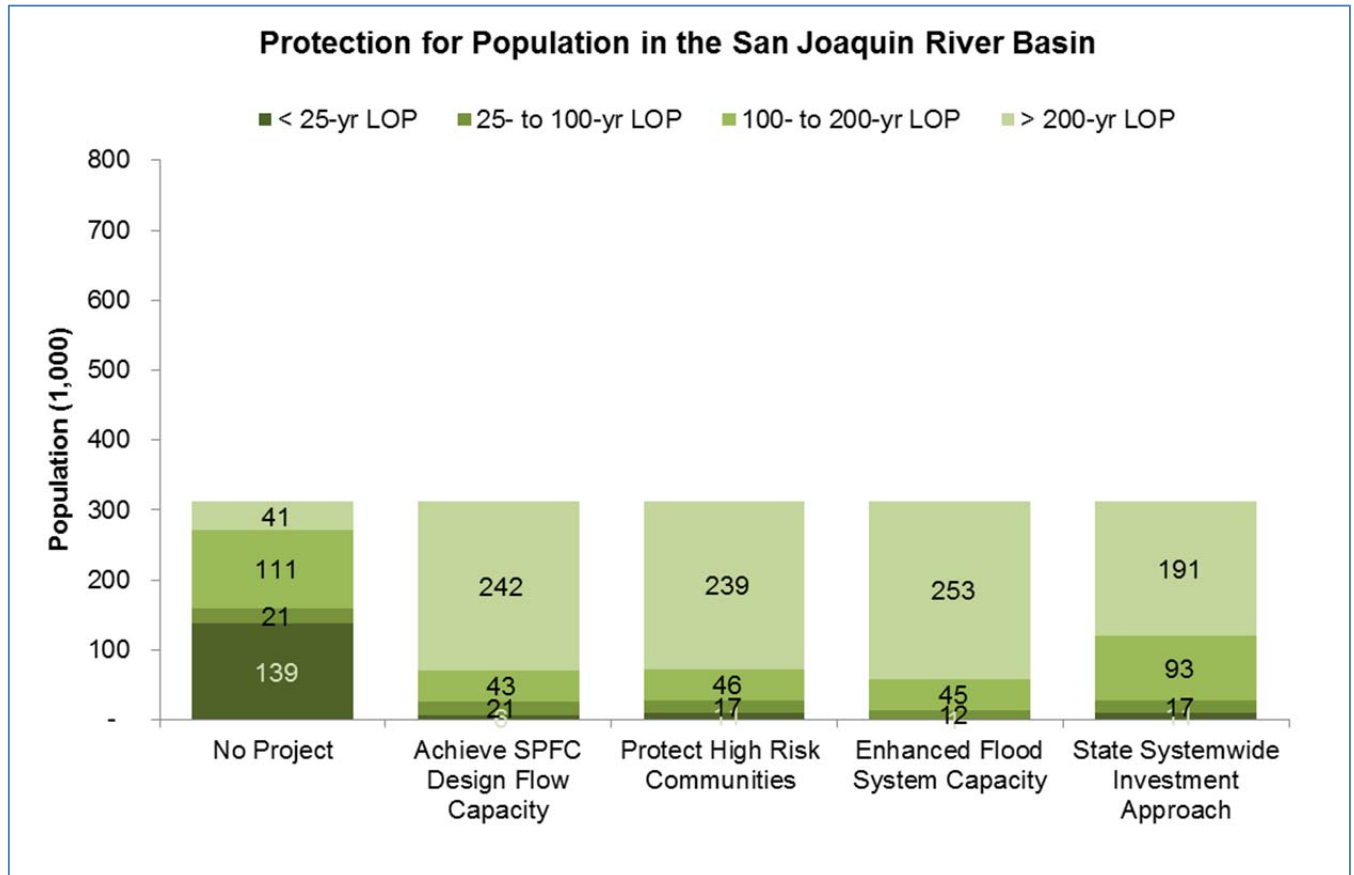
30. Attachment 7 – Plan Formulation Report, Section 7.6.2, Page 7-77, Figure 7-34, and 7-35.

Replace Figure 7-34 “Protection for Population in Sacramento River Basin” with the following:



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Replace Figure 7-35 “Protection for Population in San Joaquin River Basin” with the following:



31. Attachment 7 – Plan Formulation Report, Section 7.7, Page 7-89, 10th bullet

Delete duplicated bullet:

- ~~• Would increase the population receiving at least a 100-year (1% annual chance) level of flood protection from about 25 percent to over 90 percent compared with existing conditions~~

32. Attachment 7 – Plan Formulation Report, Section 8-1, page 8-2, Table 8-1, Note 2

Includes Urban Levee Evaluations Project **classifications categories** “Marginal” and “Does Not Meet Criteria” and Non-Urban Levee Evaluations Project categories B (**Moderate**) and C (**Low**).

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33. Attachment 7 – Plan Formulation Report, Section 8.1, page 8-4, Table 8-2, Row 13, Column 2

- Tisdale Bypass and Colusa Bypass fish passage ~~Sutter Basin and fish passage east of Butte Basin~~
- Fremont Weir fish passage improvements
- ~~Yolo Bypass/Willow Slough Weir fish passage improvements~~
- ~~Yuba River fish passage and fish screen~~
- Deer Creek

34. Attachment 7 – Plan Formulation Report, Section 8.1, page 8-4, Table 8-2, Notes

- ³ Includes all small communities within the SPFC **Planning Area**.
- ⁴ Includes selected small communities within the SPFC **Planning Area**.

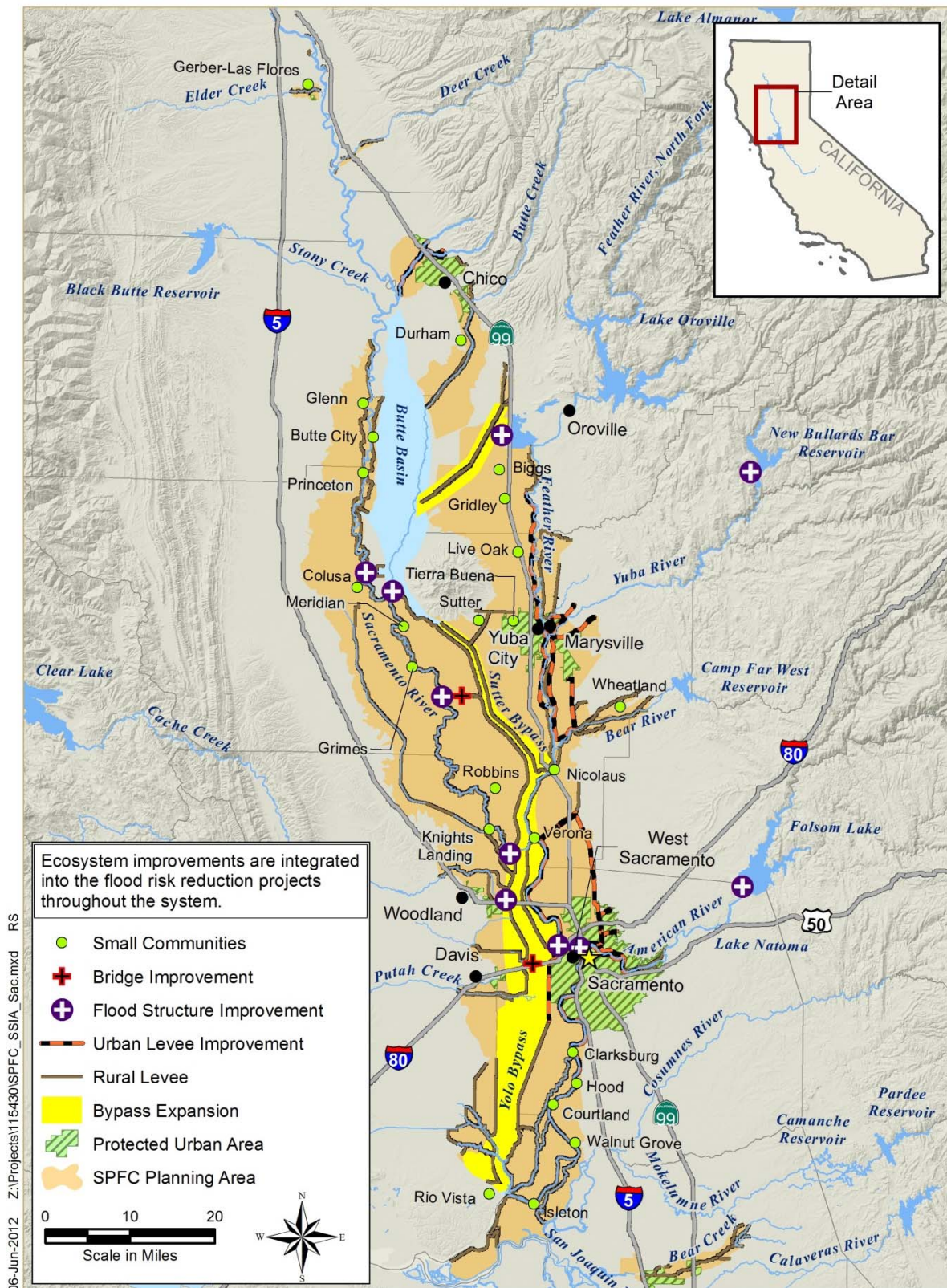
35. Attachment 7 – Plan Formulation Report, Section 8.2, pages 8-5 and 8-6, Figures 8-1 and 8-2

Figure 8-1 and Figure 8-2 have revised titles and are replaced by the following, respectively:

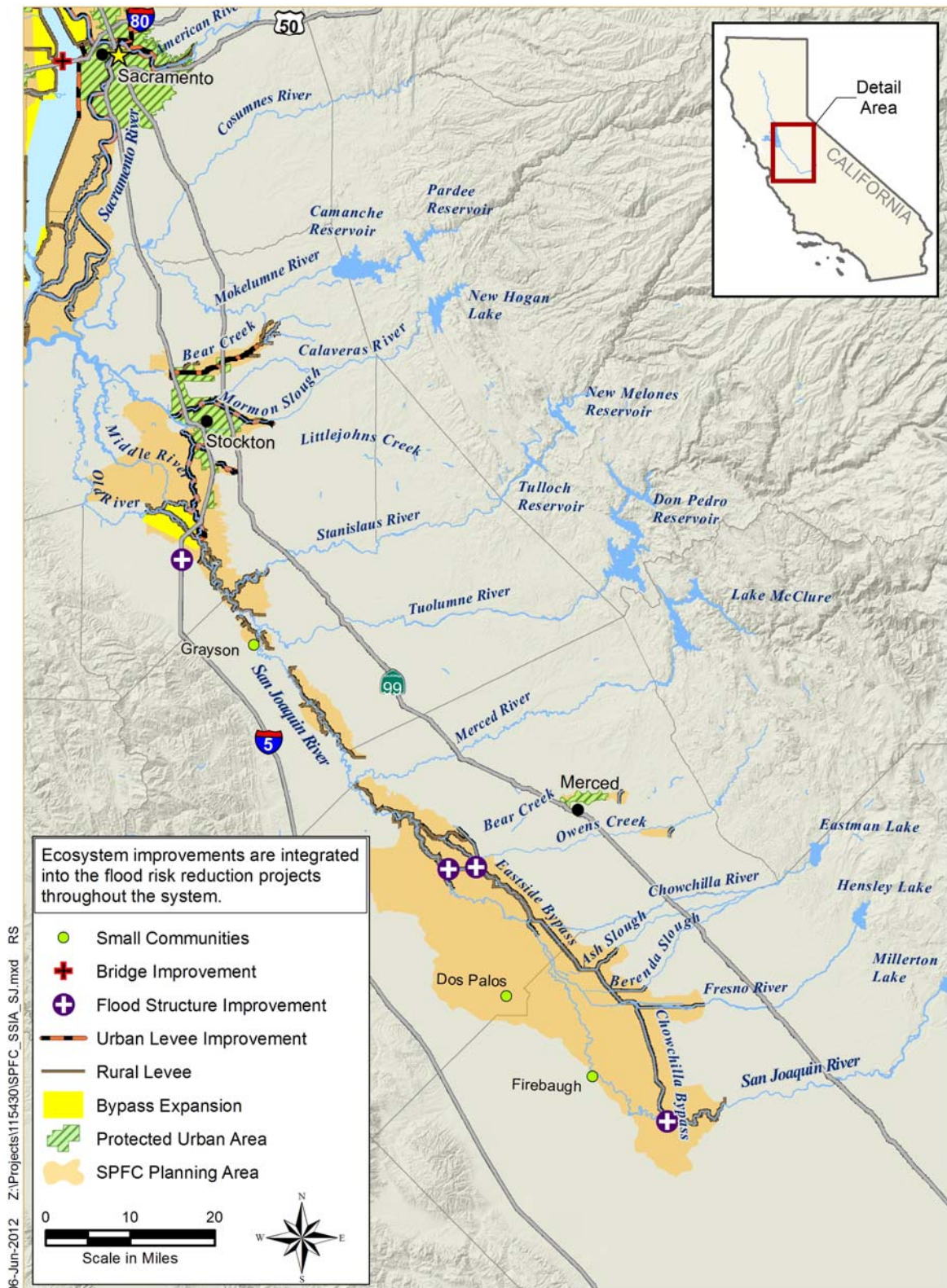
Figure 8-1. State Systemwide Investment Approach – Sacramento River Basin Major Capital Improvements **under Consideration**

Figure 8-2. State Systemwide Investment Approach – San Joaquin River Basin Major Capital Improvements **under Consideration**

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36. Attachment 7 – Plan Formulation Report, Section 8.2, page 8-7, first sentence of second paragraph

Improvements to urban levees or floodwalls should follow DWR's *Urban Levee Design Criteria* (~~anticipated-2012~~), at a minimum.

37. Attachment 7 – Plan Formulation Report, Section 8.2, page 8-8, second bullet

- **Yuba City and City of Marysville** – Improvements for this metropolitan area and adjacent ~~existing~~ urbanizing corridor (along Highway 99 north of Yuba City, and along Highway 70 within and south of Marysville) include:

38. Attachment 7 – Plan Formulation Report, Section 8.2, page 8-9, first paragraph

- Continue to work with Sutter Butte Flood control Agency to develop and implement projects to achieve an urban level of flood protection for Yuba City and adjacent ~~existing~~ urbanizing areas.

39. Attachment 7 – Plan Formulation Report, Section 8.3, page 8-10, second sentence of first paragraph of the section

The State will evaluate investments to preserve small community development opportunities without providing an urban level of flood protection. ~~However, some small communities adjacent to existing urban areas may achieve a 100-year level of flood protection or higher as a result of improvements for the adjacent urban areas.~~

40. Attachment 7 – Plan Formulation Report, Section 8.3, page 8-11, first sentence of last paragraph

~~Improvements to S~~small communities²~~-improvements~~ should also be implemented and maintained consistent with the State's vegetation management approach (Attachment 2 – Conservation Framework).

41. Attachment 7 – Plan Formulation Report, Section 8.4.1, page 8-13, second sentence of first paragraph of the section

The State will work with rural-agricultural communities to develop applicable ~~rural levee repair standards~~ criteria for SPFC levees (~~see Section 4~~).

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42. Attachment 7 – Plan Formulation Report, Section 8.5.1, page 8-17, Yolo Bypass Expansion 3rd bullet

As described under ~~Section 8.2 Urban Flood Protection above~~, evaluate the Cache Creek Settling Basin to identify a long-term program for managing sediment and mercury to sustain the flood conveyance capacity of the Yolo Bypass.

43. Attachment 7 – Plan Formulation Report, Section 8.5.1, page 8-17, 1st paragraph of Sacramento Bypass Expansion

As part of urban elements to reduce flood risks to the Sacramento/West Sacramento metropolitan area, future studies to refine specific project elements related to bypass expansion (also ~~described mentioned~~ under ~~Section 8.2 Urban Flood Improvements~~) will consider the following:

44. Attachment 7 – Plan Formulation Report, Section 8.5.2, page 8-17 and 8-18

New Bypasses: While they ~~would~~ primarily provide benefits to the urban areas of Yuba City/Marysville and Stockton, they are described here...

Lower San Joaquin Bypass: A south Delta bypass ~~will~~ ~~would~~ include habitat components. A gate structure or weir at Paradise Cut will be considered as part of the project. The new bypass would require construction of about eight miles of new levee. In combination with the bypass, the State will consider purchasing easements in the south Delta from willing sellers...

45. Attachment 7 – Plan Formulation Report, Section 8.5.6, page 8-20, third sentence of last paragraph

Proactive reservoir management through the use of ~~a~~-more flexible flood control diagrams would require extensive studies of the most feasible diagrams, environmental documentation for changing reservoir operations, and Congressional approval for a new dynamic flood control diagrams.

46. Attachment 7 – Plan Formulation Report, Section 8.8, page 8-28, fourth sentence of last paragraph

For the 2012 CVFPP, high tide conditions during the 1997 flood (~~a strong El Nino event~~) were used as the boundary conditions for hydraulic analysis and could be considered an initial, surrogate condition under climate change.

Errata to the Public Draft 2012 Central Valley Flood Protection Plan Volume II – Attachment 7

47. Attachment 7 – Plan Formulation Report, Section 8.9, page 8-30, first and fourth paragraphs

First paragraph: Land uses in the Delta outside the SPFC **Planning Area** are primarily rural and dominated by agriculture and open space...

Flood management responsibilities in Delta areas outside the SPFC **Planning Area** reside with a variety of local agencies...

Fourth paragraph: The State will continue to support Delta flood management improvements outside the SPFC **Planning Area** through existing programs and in coordination with ongoing multiagency Delta Planning efforts.

48. Attachment 7 – Plan Formulation Report, Section 8.12, page 8-38, first Floodplain Management bullet in text box

~~Building code revision prepared~~ Approved building code amendment for single family residential occupancy

49. Attachment 7 – Plan Formulation Report, Section 8.13.1, page 8-46, first paragraph

Remove the following paragraph:

~~The 2012 CVFPP has a goal for urban areas to achieve a level of (LOP) against a 0.5 percent AEP flood event (200-year LOP). The goal for rural areas is to achieve a level of protection against a 1 percent AEP flood event (100-year LOP).~~

50. Attachment 7 – Plan Formulation Report, Section 8.13.1, page 8-47, last part of first paragraph

Flood stages in the San Joaquin River Basin ~~do~~would not change much with respect ~~to~~ current conditions because large bypass expansions were not included, except near the Delta.

51. Attachment 7 – Plan Formulation Report, Section 8.13.1, page 8-48, Figure 8-10

~~Location of Peak Flow and Water Surface Elevation Estimates for 100-Year Storm Event at selected monitoring locations in the Sacramento River Basin.~~

Note: Figure presents peak flow and water surface elevation estimates for various frequency flood events (represented as percent chance exceedence, e.g., 1%) at selected monitoring locations in the Sacramento River Basin.

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52. Attachment 7 – Plan Formulation Report, Section 8.13.1, page 8-49, Figure 8-11

~~Location of Peak Flow and Water Surface Elevation Estimates for 100-Year Storm Event at selected monitoring locations in the San Joaquin River Basin.~~

Note: Figure presents peak flow and water surface elevation estimates for various frequency flood events (represented as percent chance exceedence, e.g., 1%) at selected monitoring locations in the ~~Sacramento~~ San Joaquin River Basin.

53. Attachment 7 – Plan Formulation Report, Section 8.13.3, page 8-51, Table 8-9, fifth row and third column

Reduction of ~~67~~ 66 percent in expected annual damages

54. Attachment 7 – Plan Formulation Report, Section 8.14.1, page 8-54, second paragraph

Results of the modeling indicate an overall reduction in total expected annual damages of about ~~67~~ 66 percent, with specific reductions in damages and losses as follows:

- Structure and contents flood damages would be reduced by ~~72~~ 73 percent
- Crop damages due to flooding would be reduced by 6 percent
- Business production losses would be reduced by ~~72~~ 71 percent

55. Attachment 7 – Plan Formulation Report, Section 8.14.4, page 8-57, first sentence of first paragraph

~~Environmental~~ Ecosystem restoration is fully integrated with the flood risk reduction components of the SSIA.

56. Attachment 7 – Plan Formulation Report, Section 8.14.4, page 8-57, second bullet, second sentence

This includes connecting fishery habitat from ~~the~~ Delta to ~~the~~ Yolo and Sutter bypasses and to the Butte Basin.

57. Attachment 7 – Plan Formulation Report, Section 8-14, page 8-59, text box, first bullet

- 100 percent of ~~existing~~ urban areas protected by SPFC facilities attain 200-year level of flood protection

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58. Attachment 7 – Plan Formulation Report, Section 8-14, page 8-59, text box, first bullet

About 20 of the small communities in the SPFC Planning Area (from a total of 27) will attain 100-year level of flood protection, **at a minimum.**

59. Attachment 7 – Plan Formulation Report, Section 8.15, page 8-61, second full sentence of first paragraph

This would preserve small community development opportunities within specific boundaries without encouraging broader urban development. **However, some small communities adjacent to existing urban areas may achieve a 100-year level of flood protection or higher as a result of improvements for the adjacent urban areas.**

60. Attachment 7 – Plan Formulation Report, Section 9.0, page 9-1 3rd Paragraph

90 Pproposed projects and project concepts **were collected during the communication and engagement process and** are listed in Table 9-1. In addition, summary forms for 56 project concepts for which information has already been gathered are also included in Attachment 7a: Local and Regional Project Summaries. **These projects are indicated with an asterisk (*) on Table 9-1.**

61. Attachment 7 – Plan Formulation Report, Section 9.0, page 9-2, Table 9-1

Table 9-1 “Local and Regional Project Concept – Summary Status” is revised as follows:

Errata to the Public Draft 2012 Central Valley Flood Protection Plan Volume II – Attachment 7

Table 9-1. Local and Regional Project Concepts —Summary Status

Project Name	Planning Area
Complete Middle Creek project by completing land acquisition, environmental restoration, and levee decommissioning*	Lower Sacramento
Fix Cache Creek Settling basin to secure another 50 to 100 years life in the project*	Lower Sacramento
Stabilize Cache Creek through grade control structures and other measures*	Lower Sacramento
Consider additional floodplain storage within Cosumnes River preserve	Lower Sacramento
Consider Sacramento DWSC or construct peripheral canal along DWSC as bypass	Lower Sacramento
Consider Stone Lakes Refuge Bypass	Lower Sacramento
Rehabilitate and provide operable gates for Sacramento Weir*	Lower Sacramento
Rehabilitate Knights Landing Outfall structure and provide for fish exclusion	Lower Sacramento
Acquire flood easement over Conaway Ranch*	Lower Sacramento
Remove sediment and rehab structure as necessary at Fremont Weir*	Lower Sacramento
Remove Yolo Short Line RR as obstruction in Yolo Bypass flow	Lower Sacramento
Review and modify bypass channel vegetation as necessary to maintain proper balance of storage and conveyance in upper Butte Basin*	Upper Sacramento
Stabilize Cherokee Canal watershed to reduce sediment transport and long-term O&M costs*	Upper Sacramento
Modifications to the 3Bs Flood Relief Structure *	Upper Sacramento
Construct peak overflow detention basins in the Colusa Basin Drainage Area. *	Upper Sacramento
Colusa Drain improvements*	Upper Sacramento
Protect M&T pumping facilities*	Upper Sacramento
Secure meander zones along upper Sacramento River where infrastructure is threatened*	Upper Sacramento
Remove sediment and rehab structure as necessary at Moulton Weir	Upper Sacramento
Remove sediment and rehab structure as necessary at Colusa Weir*	Upper Sacramento
Raise Woodson Bridge	Upper Sacramento
Construct peak overflow detention basins on streams in Tehama County*	Upper Sacramento
Construct peak overflow detention basins on streams in Glenn County*	Upper Sacramento
Construct peak overflow detention basins on streams in Butte County	Upper Sacramento
Construct peak overflow detention basins on streams in Shasta County	Upper Sacramento
Gravel augmentation at Cottonwood Creek*	Upper Sacramento
Construction of control structures along Burch and Jewett creeks	Upper Sacramento
Stabilize Sycamore Creek erosion through construction of grade control structures*	Upper Sacramento
Rehabilitate Chico Creek Diversion Structure*	Upper Sacramento
Deer Creek Levee Setback and Environmental Enhancement Project; Lower Deer Creek Flood Reduction and Fisheries Restoration Project*	Upper Sacramento
Remove sediment and rehab structure as necessary at Tisdale Weir*	Upper Sacramento
Protect Woodson Bridge hard point*	Upper Sacramento
Acquire or expand on Egbert Tract to secure overflow capacity	Delta

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Table 9-1. Local and Regional Project Concepts –~~Summary Status~~ (contd.)

Project Name	Planning Area
Acquisition and complete restoration of Prospect Island*	Delta
Acquisition and complete restoration of Liberty Island*	Delta
Removing sunken ships in the channel/dredging	Delta
Modify marina to south of McCormack-Williamson Tract in north Delta	Delta
Bank stabilization in Delta	Delta
Clifton Court Forebay operations	Delta
Staten Island Bypass	Delta
Consider McCormack-Williamson as bypass	Delta
Silt/sand bar removal along lower San Joaquin river*	Lower San Joaquin
Modifications to previous seismic projects on the Stanislaus River near San Joaquin River confluence	Lower San Joaquin
Vegetation removal along Mokelumne River*	Lower San Joaquin
Vegetation removal and bank stabilization in the Coral Hall Road area, San Joaquin County*	Lower San Joaquin
Restore existing bypass on Mormon Channel from Calaveras River	Lower San Joaquin
Divert flow from Stockton Diverting Canal to Mormon Channel	Lower San Joaquin
New control structure on Dry Creek below Don Pedro and/or at Tuolumne confluence	Lower San Joaquin
Construct setback levees at Reclamation District 17	Lower San Joaquin
Construct wing levees (WaltHall levee)	Lower San Joaquin
Channel modifications to Tuolumne River downstream from Dry Creek	Lower San Joaquin
Protect cultural resources (i.e. Parkway – Dumna Tribal village site)	Upper San Joaquin
Consider dredging Chowchilla Bypass	Upper San Joaquin
Consider dredging Mendota Pool	Upper San Joaquin
Consider dredging San Joaquin River below Washington Road	Upper San Joaquin
Consider bank stabilization along Chowchilla Bypass	Upper San Joaquin
Consider bank stabilization near Mendota and Firebaugh	Upper San Joaquin
Reduce flow constrictions along Ash Slough and Berenda Slough*	Upper San Joaquin
Repair/modify Los Banos Creek culverts*	Upper San Joaquin
Consider Mendota Pool bypass*	Upper San Joaquin
Consider structural modifications to Mariposa bypass*	Upper San Joaquin
Consider modifying Kings River Bypass near San Mateo Road	Upper San Joaquin
Consideration of Bear Creek and Black Rascal Creek bypasses	Upper San Joaquin
Consider Westside IRWM projects*	Upper San Joaquin
Pioneer Site seepage berm*	Lower Sacramento
Levee repair of 25 erosion sites Sacramento River Bank Protection Project*	Upper and Lower Sacramento
South Sacramento County Streams Project Union House Creek channel upgrades*	Lower Sacramento

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Table 9-1. Local and Regional Project Concepts –~~Summary Status~~ (contd.)

Project Name	Planning Area
San Joaquin Area Flood Control Agency Smith Canal closure conceptualization*	Lower San Joaquin
Lower San Joaquin River Feasibility Study*	Lower San Joaquin
American River Common Features PAC and GRR*	Lower Sacramento
Frazier Creek/Strathmore Creek Feasibility Study*	Upper San Joaquin
Woodland/Lower Cache Creek General Investigation*	Lower Sacramento
Merced County Streams Feasibility Study and GRR*	Upper San Joaquin
Rock Creek/Keefer Slough Feasibility Study*	Upper Sacramento
Sutter Basin Feasibility Study *	Lower Sacramento
West Sacramento Area Flood Control Agency Project and GRR*	Lower Sacramento
West Stanislaus County/Orestimba Creek Feasibility Study *	Lower San Joaquin
White River/Deer Creek Feasibility Study *	Upper San Joaquin
Yuba River Basin Project GRR *	Lower Sacramento
Mid-Valley Area Reconstruction Project*	Lower Sacramento
Sacramento River Flood Control System Evaluation*	Upper and Lower Sacramento
Hamilton City Flood Damage Reduction and Ecosystem Restoration*	Upper Sacramento
Putah Creek Flood Reduction and Habitat Improvement Project*	Lower Sacramento
Floodplain Expansion and Ecosystem Restoration at Dos Rios Ranch*	Lower San Joaquin
Elk Slough Area Flood and Habitat Improvement Project*	Lower Sacramento
Sutter Basin Flood Corridor Conservation Project*	Lower Sacramento
Colusa Ring Levee Flood Protection and Wildlife Benefit Project*	Lower Sacramento
The Lower San Joaquin River Flood Bypass*	Lower San Joaquin
Elkhorn Basin Ecosystem Restoration Project	Lower Sacramento
Koptka Slough Restoration Project	Upper Sacramento

62. Attachment 7 – Plan Formulation Report, Section 9.0, page 9-2, Table 9-1 Notes

~~Key:~~ Notes:

* = Project Summary is included in Attachment 7A: Local and Regional Project Summaries

63. Attachment 7 – Plan Formulation Report, Section 10.0, page 10-3

Add/revise the following DWR references as follows:

———. 2012a. Program Environmental Impact Report.

———. 2012b. Urban Levee Design Criteria.

———. 2012. Draft Urban Level of Flood Protection Criteria

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64. Attachment 7 – Plan Formulation Report, Section 10.0, page 10-8

The following reference will be added:

Yuba County Water Agency (YCWA). 2008. Forecast-Coordinated Operations of Lake Oroville and New Bullards Bar Reservoir for Managing Major Flood Events. January 2008 Update.

65. Attachment 7A – Local and Regional Project Summaries, Project Summary Template

The following changes will be made to the Project Summary Template, and in all instances where the USACE is identified as a potential Partner, the organization will be identified as the Lead Federal Agency.

Project Proponents:

- Lead **Non-Federal** Agency –
- **Lead Federal Agency** –
- **Potential Partners** –

66. Attachment 7A – Local and Regional Project Summaries, Section 1.42, page 1-141

Contact Information –

- ~~David Vanrijn~~ Brandon Muncy

67. Attachment 7A – Local and Regional Project Summaries, Section 1.43, page 1-144

Contact Information –

- ~~William Edgar~~ Mike Inamine, Sutter-Butte Flood Control Agency

68. Attachment 7A – Local and Regional Project Summaries, Section 1.45, page 1-150

- Potential Partners – USACE, City of ~~Woodland-Newman~~, Board, Stanislaus County

69. Attachment 7A – Local and Regional Project Summaries, Section 1.45, page 1-152

Redirected Hydraulic Impacts – ~~Increased channel flow in Orestimba Creek during flood events could have potential negative impacts downstream.~~ Localized increases in the depth of flooding up to half a foot may occur in areas outside of the chevron levee.

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70. Attachment 7A – Local and Regional Project Summaries, Section 1.45, page 1-152

Adverse Environmental Impact and Regulatory Issues – A combined ~~EIS/EIR EA/IS~~ is being developed for this study. ~~The current selected alternative requires a large amount of mitigation for environmental impacts within Orestimba Creek. Refinements to design aspects are being done to maintain an economically justifies alternative.~~ Potential impacts will be identified through this process.

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